## This Page Is Inserted by IFW Operations and is not a part of the Official Record

## **BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

## IMAGES ARE BEST AVAILABLE COPY.

As rescanning documents will not correct images, please do not report the images to the Image Problem Mailbox.



Titled: Dual Piston Rotary Valve Inventor: Douglas B. Dority

Filed: October 15, 2003 Dckt. No. 021966-000100US

Sheet 1 of 19

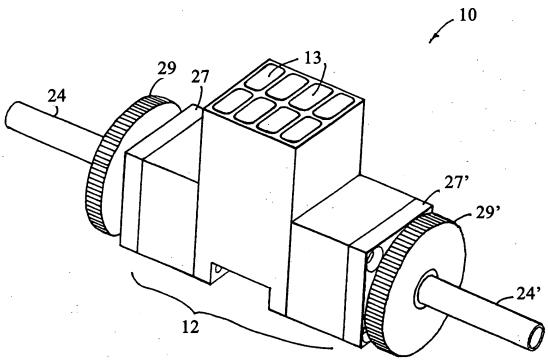


Fig.1

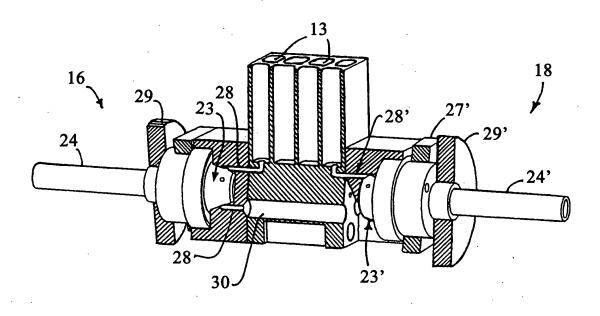
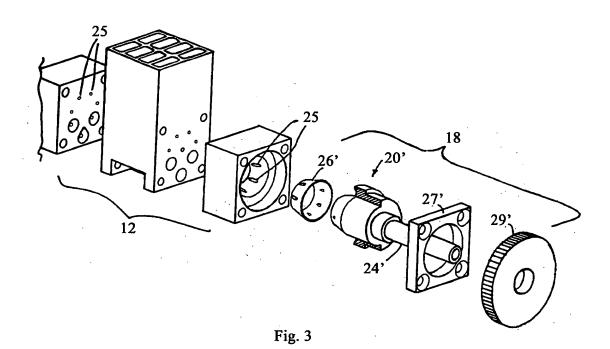


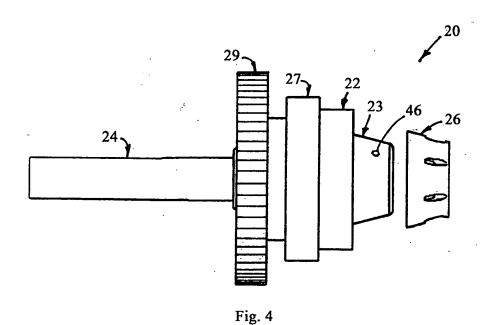
Fig. 2

Titled: Dual Piston Rotary Valve Inventor: Douglas B. Dority

Filed: October 15, 2003 Dckt. No. 021966-000100US

Sheet 2 of 19





Inventor: Douglas B. Dority Filed: October 15, 2003 Dckt. No. 021966-000100US

Sheet 3 of 19

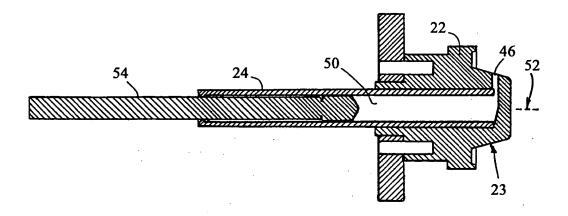


Fig. 5

Chun-Pok Leung, Reg. No. 41,405 (650) 326-2400 Titled: Dual Piston Rotary Valve Inventor: Douglas B. Dority Filed: October 15, 2003 Dckt. No. 021966-000100US

Sheet 4 of 19

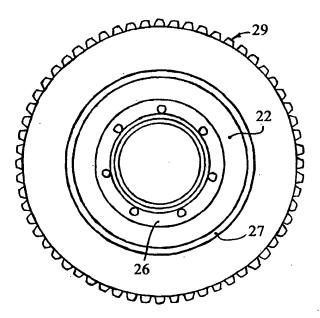


Fig. 6

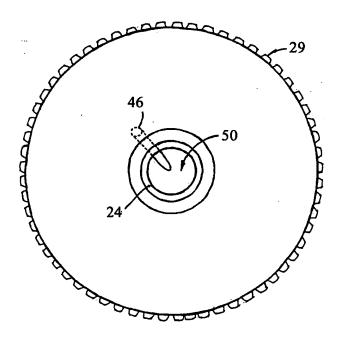
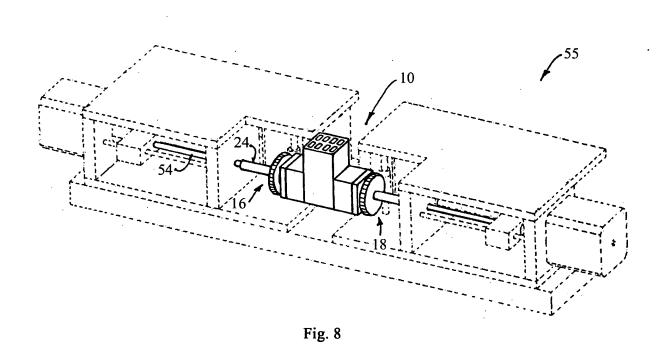


Fig. 7

Inventor: Douglas B. Dority
Filed: October 15, 2003 Dckt. No. 021966-000100US
Sheet 5 of 19



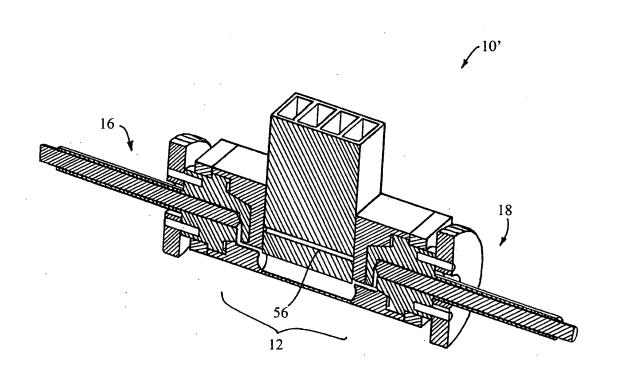


Fig. 9

Inventor: Douglas B. Dority

Filed: October 15, 2003 Dckt. No. 021966-000100US

Sheet 6 of 19

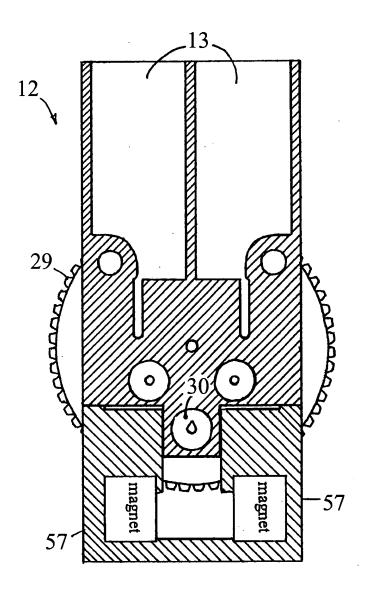


Fig. 10

Chun-Pok Leung, Reg. No. 41,405 (650) 326-2400 Titled: Dual Pistton Rotary Valve Inventor: Douglas B. Dority Filed: October 15, 2003 Dckt. No. 021966-000100US

Sheet 7 of 19

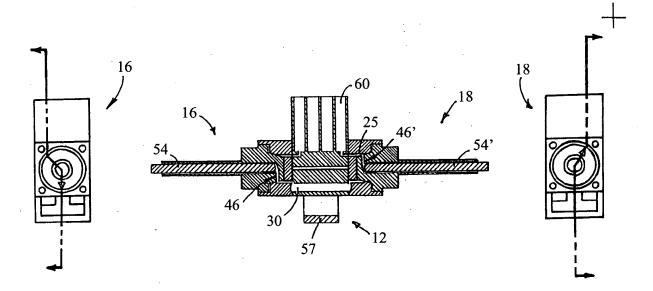


Fig. 11A

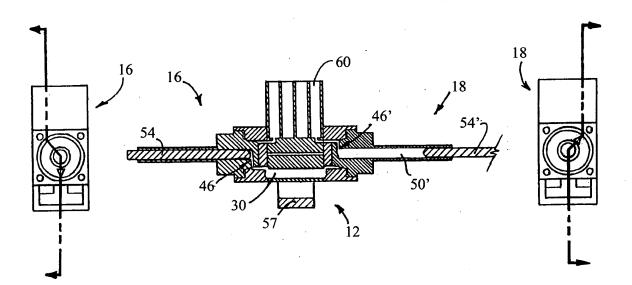


Fig. 11B

Chun-Pok Leung, Reg. No. 41,405 (650) 326-2400 Titled: Dual Pistton Rotary Valve Inventor: Douglas B. Dority

Filed: October 15, 2003 Dckt. No. 021966-000100US

Sheet 8 of 19

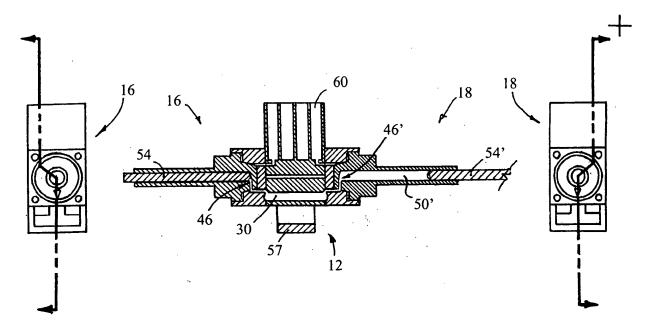


Fig. 11C

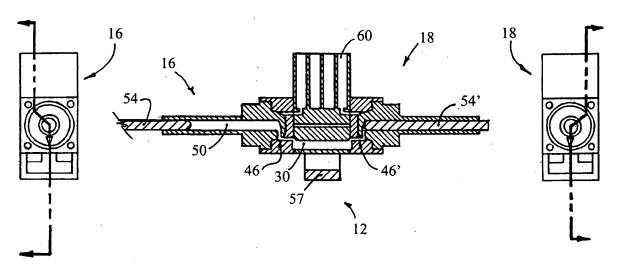


Fig. 11D

Inventor: Douglas B. Dority

Filed: October 15, 2003 Dckt. No. 021966-000100US

Sheet 9 of 19

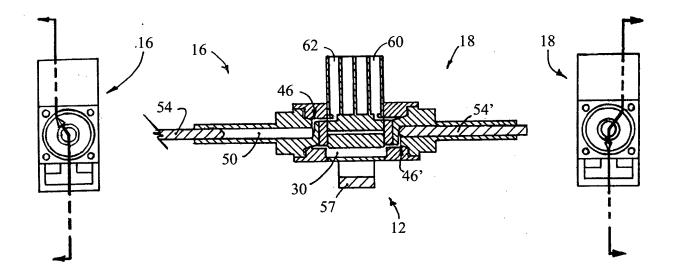
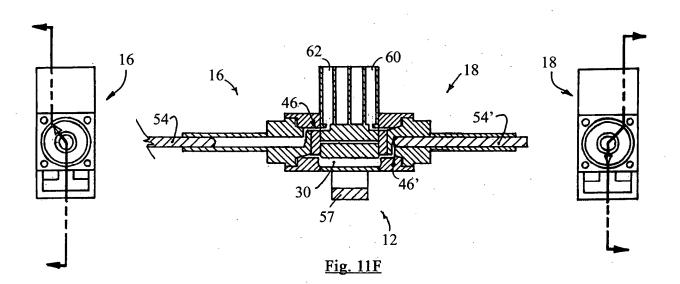


Fig. 11E



Inventor: Douglas B. Dority Filed: October 15, 2003 Dckt. No. 021966-000100US

Sheet10 of 19

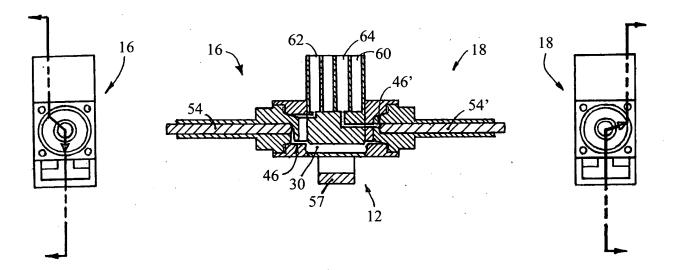


Fig. 11G

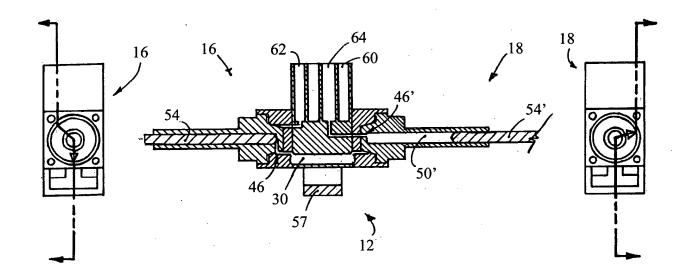


Fig. 11H

Titled: Dual Pistton Rotary Valve Inventor: Douglas B. Dority

Filed: October 15, 2003 Dckt. No. 021966-000100US

Sheet11 of 19

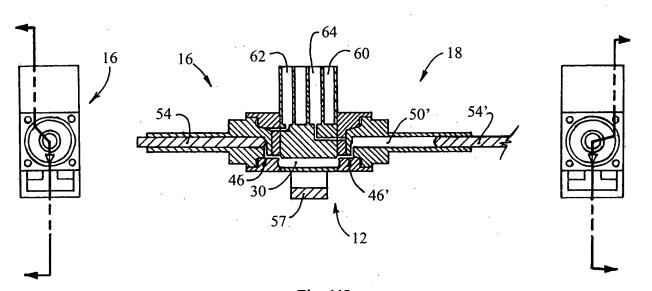
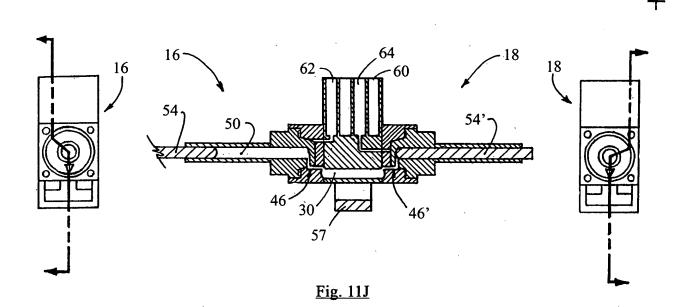


Fig. 11I



Titled: Dual Pistton Rotary Valve Inventor: Douglas B. Dority

Filed: October 15, 2003 Dckt. No. 021966-000100US

Sheet 12 of 19

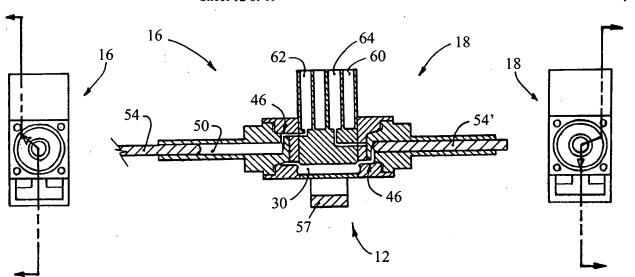


Fig. 11K

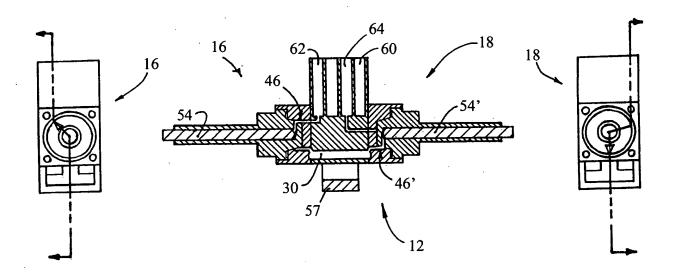


Fig. 11L

Titled: Dual Pistton Rotary Valve Inventor: Douglas B. Dority

Filed: October 15, 2003 Dckt. No. 021966-000100US

Sheet 13 of 19

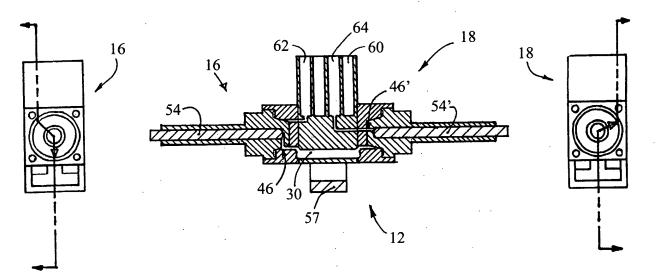


Fig. 11M

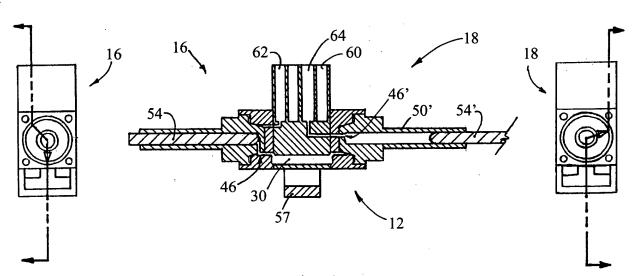
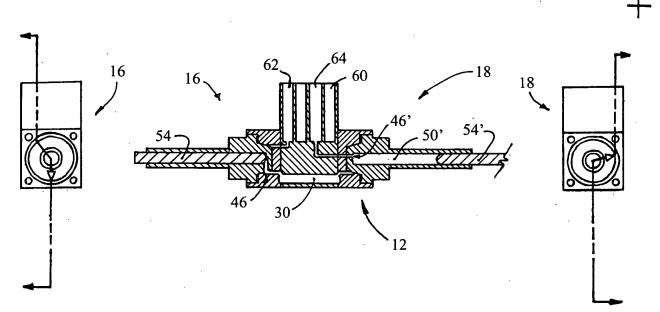


Fig. 11N

Titled: Dual Pistton Rotary Valve

Inventor: Douglas B. Dority
Filed: October 15, 2003 Dckt. No. 021966-000100US

Sheet 14 of 19



<u>Fig. 11 O</u>

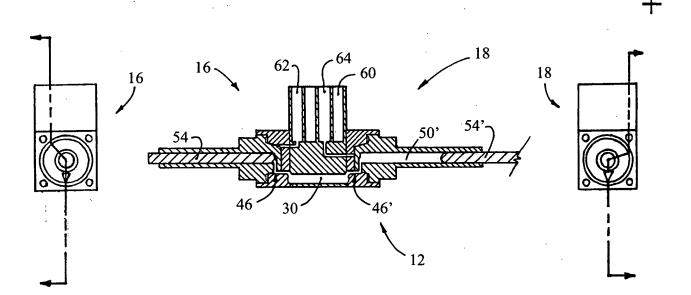


Fig. 11P

Titled: Dual Pistton Rotary Valve Inventor: Douglas B. Dority

Inventor: Douglas B. Dority
Filed: October 15, 2003 Dckt. No. 021966-000100US

Sheet 15 of 19

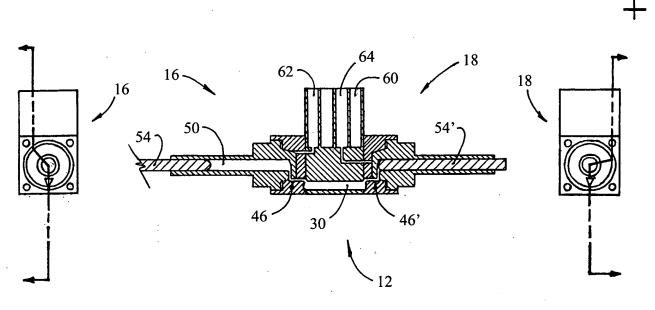


Fig. 11Q

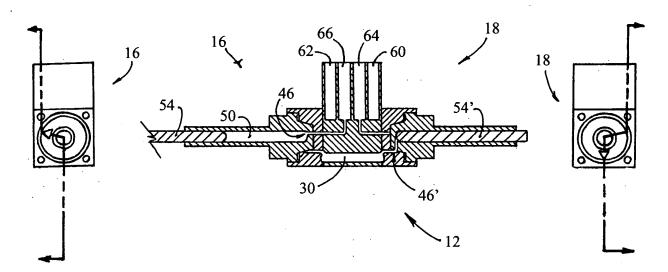
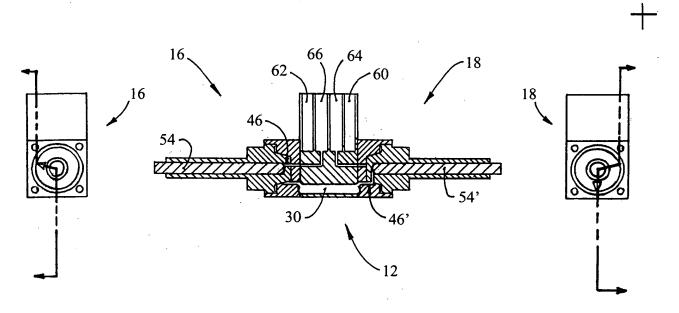


Fig. 11R

Chun-Pok Leung, Reg. No. 41,405 (650) 326-2400
Titled: Dual Pistton Rotary Valve
Inventor: Douglas B. Dority
Filed: October 15, 2003 Dckt. No. 021966-000100US
Sheet 16 of 19



<u>Fig. 11S</u>

Inventor: Douglas B. Dority

Filed: October 15, 2003 Dckt. No. 021966-000100US

Sheet 17 of 19

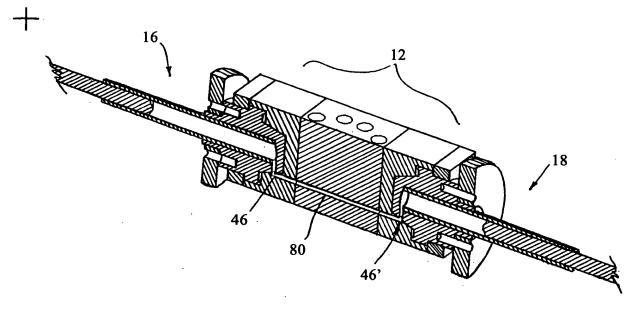


Fig. 12

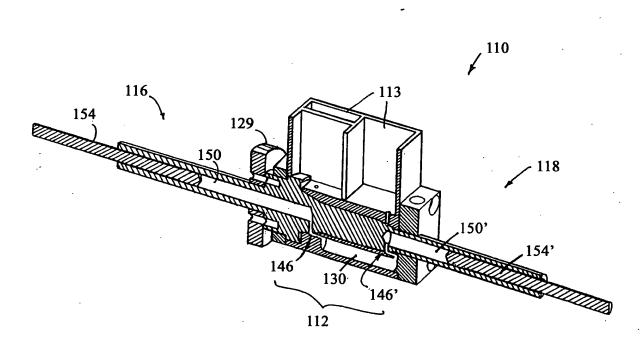


Fig. 13

Titled: Dual Pistton Rotary Valve Inventor: Douglas B. Dority

Filed: October 15, 2003 Dckt. No. 021966-000100US

Sheet 18 of 19

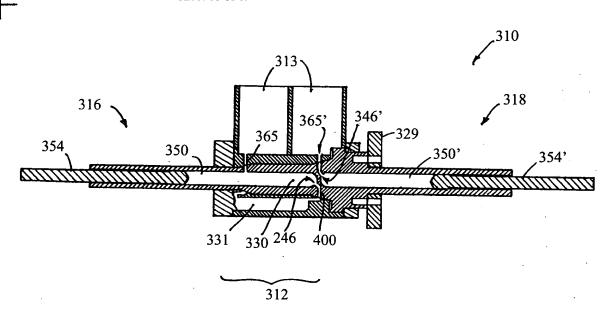


Fig. 14

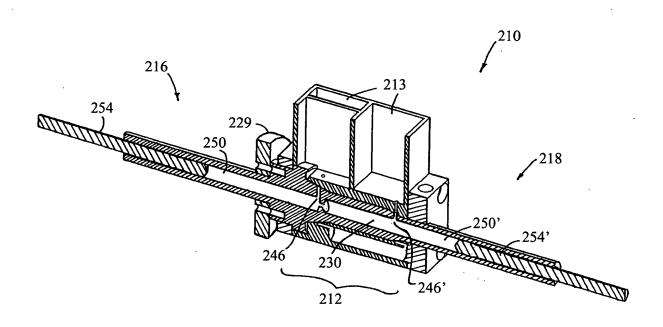


Fig. 15

Inventor: Douglas B. Dority

Filed: October 15, 2003 Dckt. No. 021966-000100US

Sheet 19 of 19

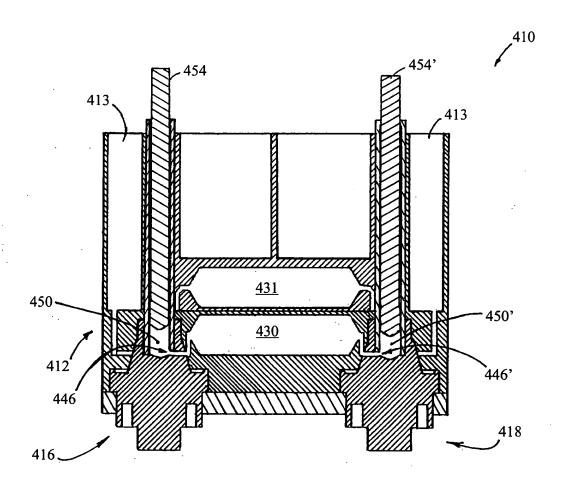


Fig. 16